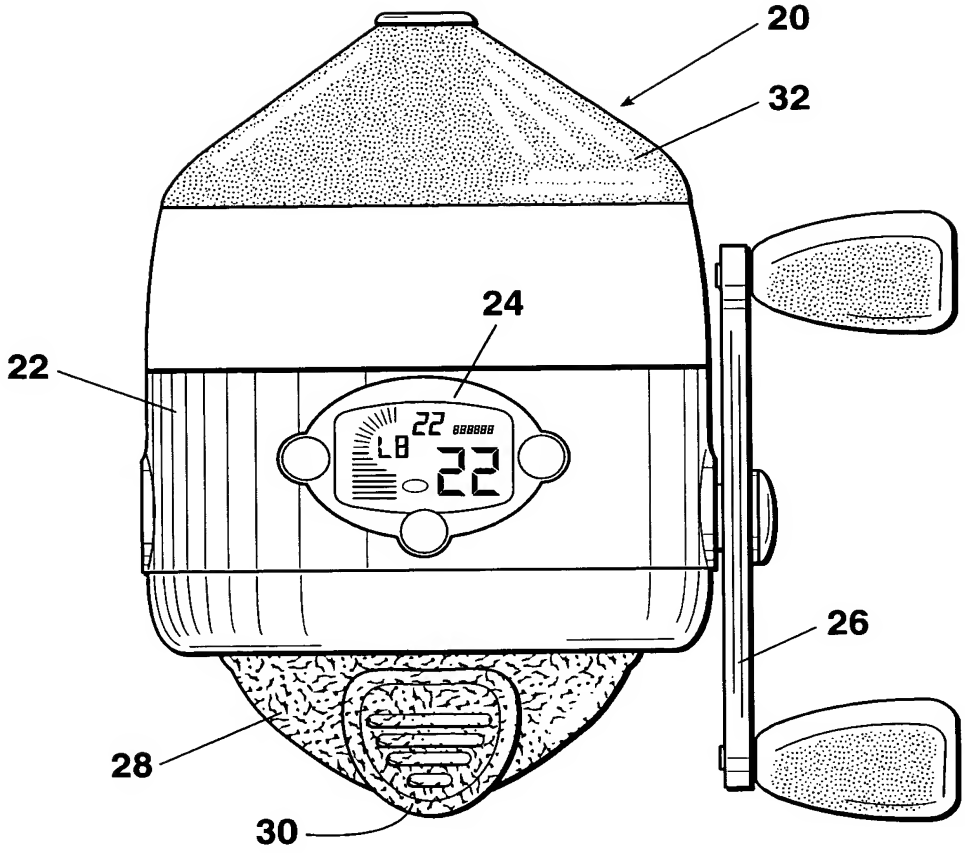


Fig. 2

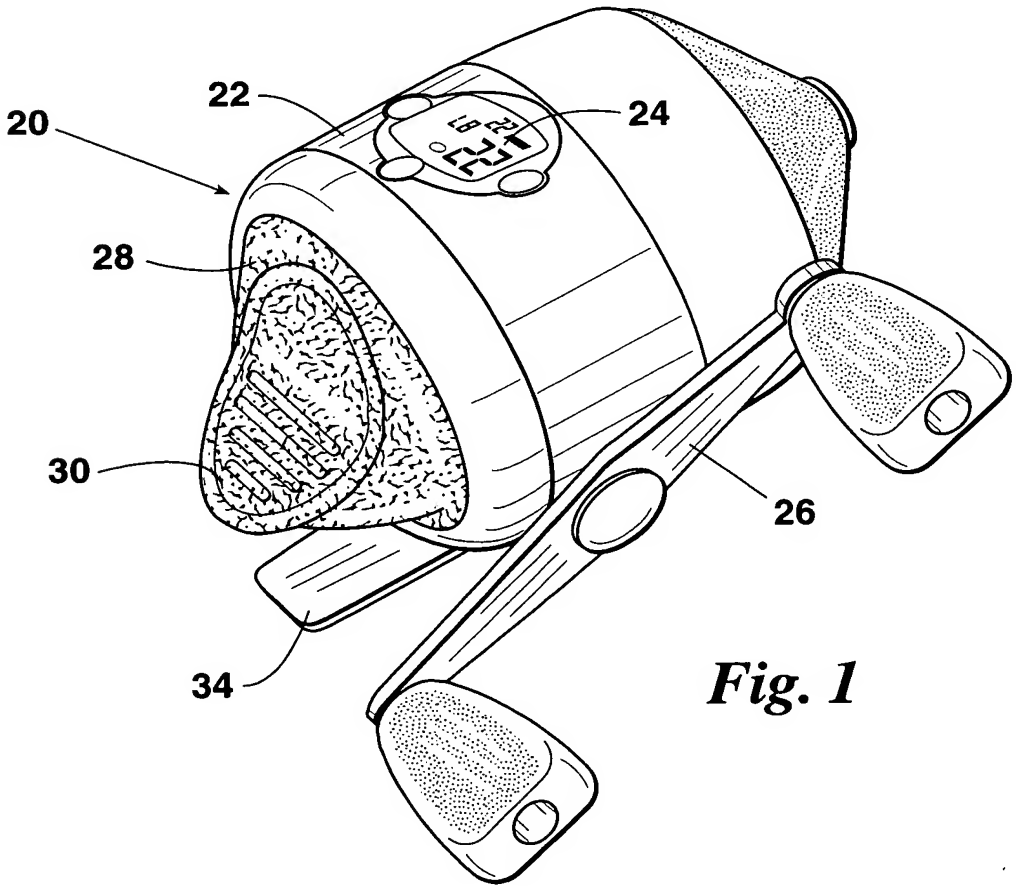


Fig. 1

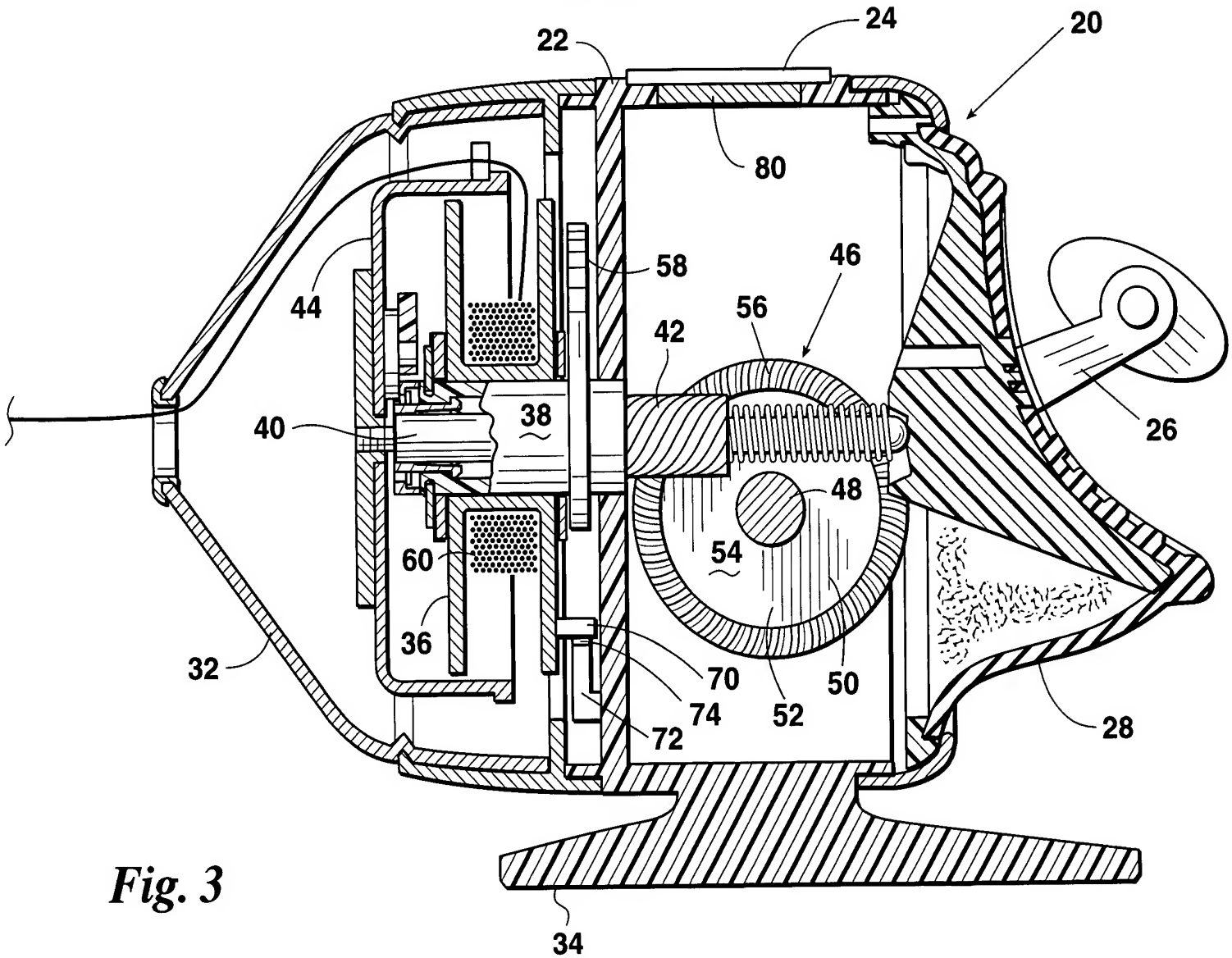


Fig. 3

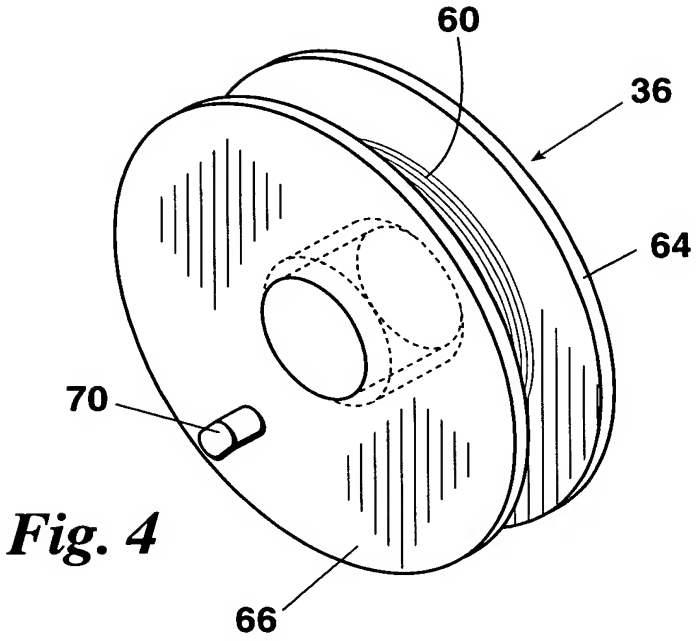


Fig. 4

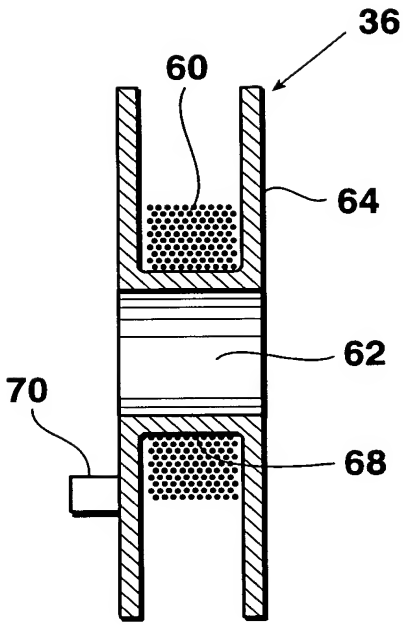


Fig. 5

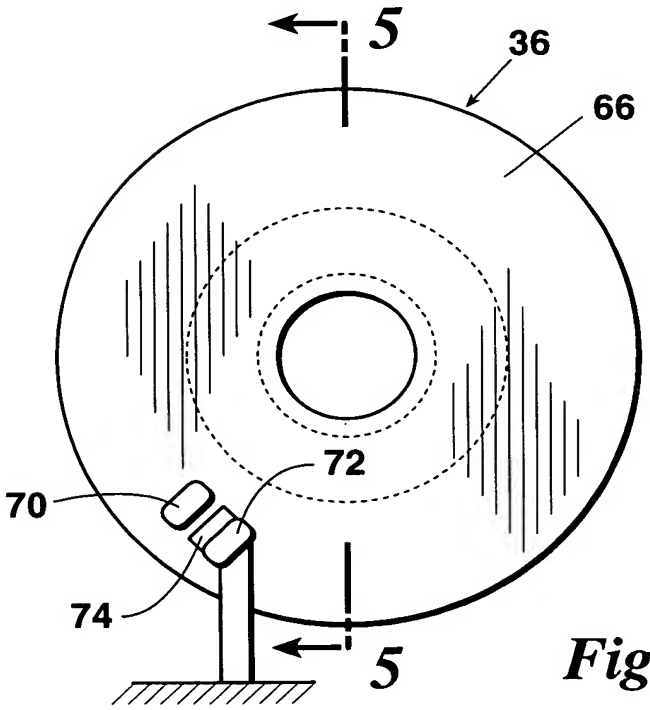
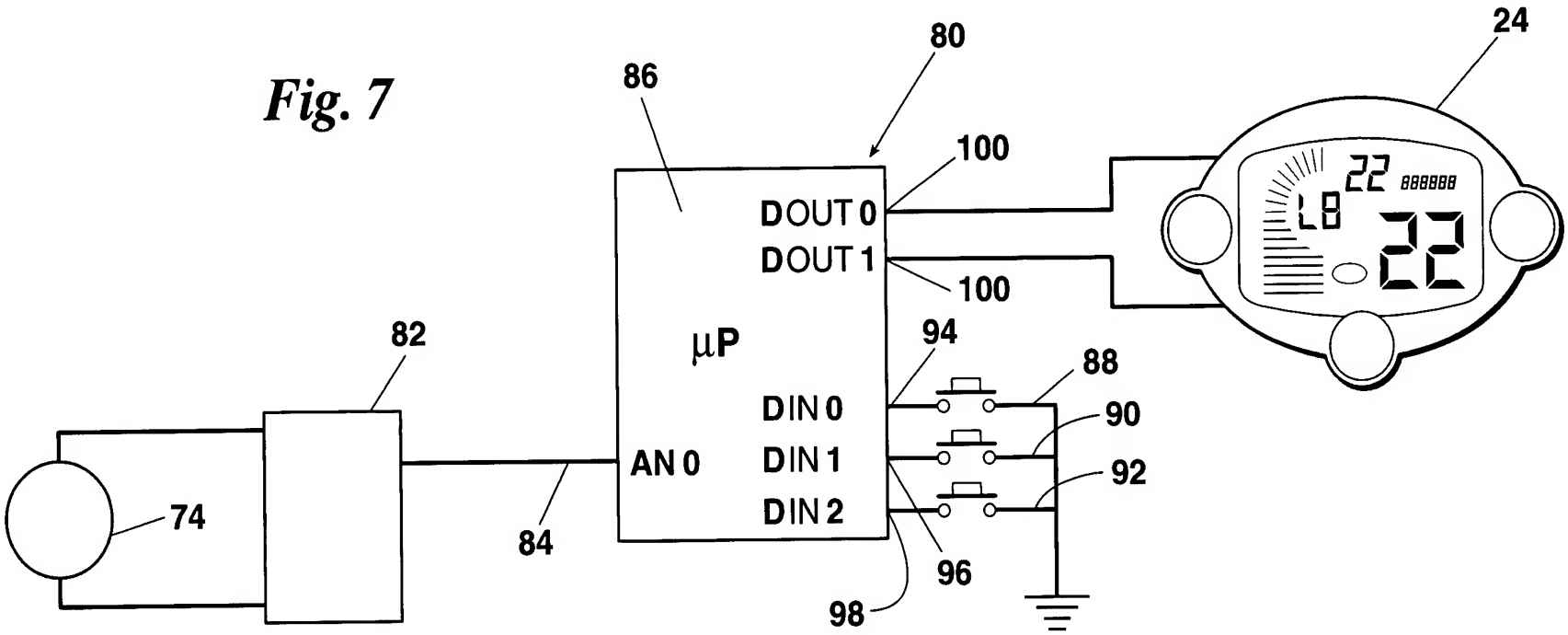


Fig. 6

Fig. 7


80
86
24
100
DOUT 0
DOUT 1
100
22
888888
L8
22
82
μP
94
88
DIN 0
90
AN 0
DIN 1
92
DIN 2
74
84
96
98

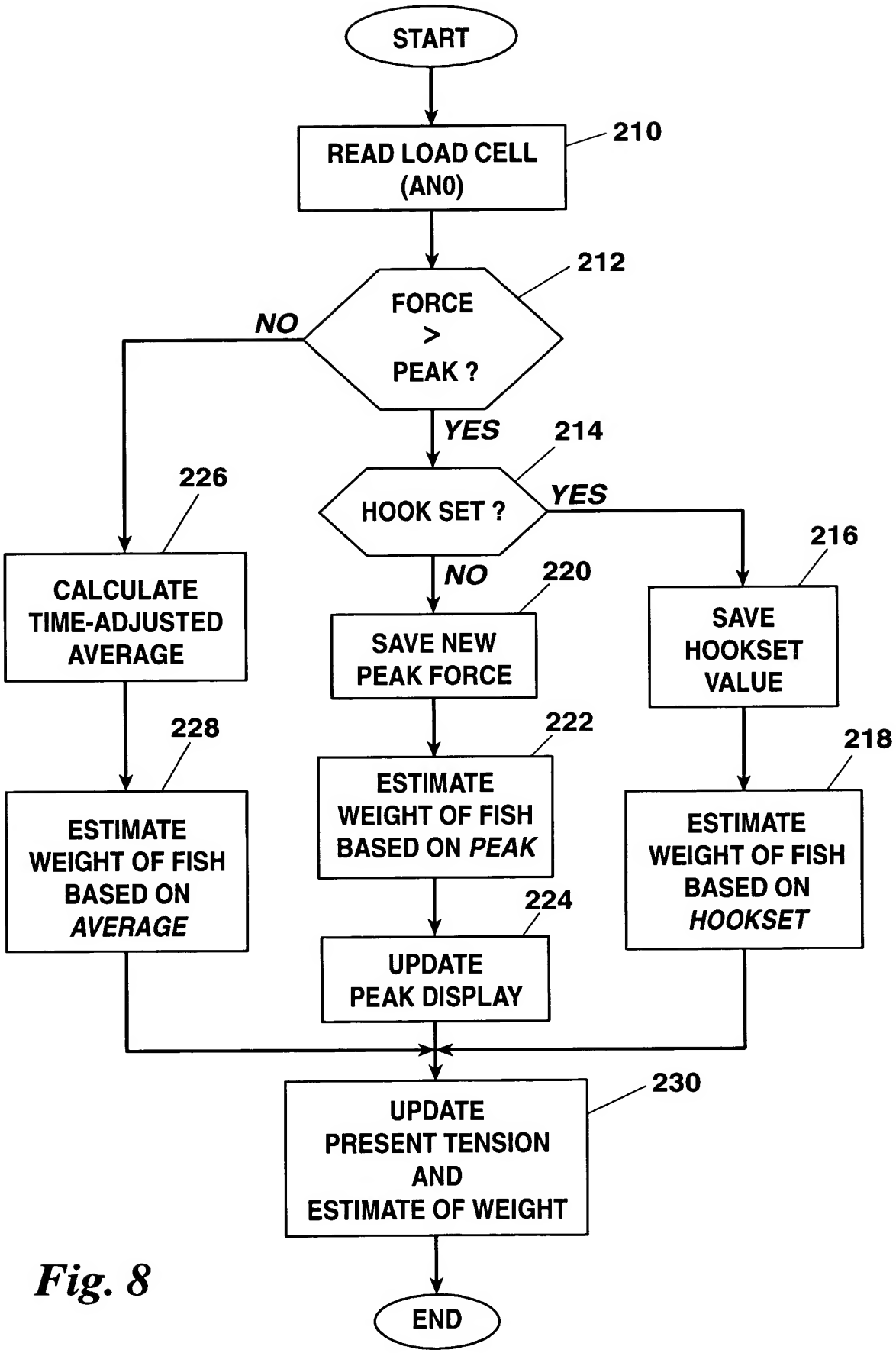

START
READ LOAD CELL (AN0)
210
FORCE > PEAK ?
212
NO
YES
HOOK SET ?
214
YES
NO
226
CALCULATE TIME-ADJUSTED AVERAGE
220
SAVE NEW PEAK FORCE
216
SAVE HOOKSET VALUE
228
ESTIMATE WEIGHT OF FISH BASED ON AVERAGE
222
ESTIMATE WEIGHT OF FISH BASED ON PEAK
218
ESTIMATE WEIGHT OF FISH BASED ON HOOKSET
224
UPDATE PEAK DISPLAY
230
UPDATE PRESENT TENSION AND ESTIMATE OF WEIGHT
END

Fig. 8